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GUIDE
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U. S. Department of Agriculture

UNITED STATES DEPARTMENT
OF AGRICULTURE



Locations of Bureaus, Offices, and Laboratories

in Washington, and List of Officials

and Chiefs of Bureaus

Compiled by the Press Service

Office of Information

Washington, D.C.

March, 1932

OFFICE OF THE SECRETARY

Secretary of Agriculture

Arthur M. Hyde..... 204 Admin. Bldg. 1/

Assistant Secretary of Agriculture

Renick W. Dunlap..... 201 Admin. Bldg.

Director of Scientific Work

A. F. Woods..... 219 Admin. Bldg.

Director of Regulatory Work

(Also, Chief, Food and Drug

Administration, see page 3)

W. G. Campbell..... 219 Admin. Bldg.

Director of Extension Work

C. W. Warburton..... 218 Admin. Bldg.

Director of Personnel and

Business Administration

W. W. Stockberger..... 212 Admin. Bldg.

Director of Information

M. S. Eisenhower..... 302 Admin. Bldg.

Solicitor

E. L. Marshall..... 221 Admin. Bldg.

1/ A map showing the locations of most of the buildings is in the middle of this pamphlet. Temporary Bldg. C is at 7th and B Sts. SW Pavilions C and D are the first unit of a group of buildings to be known as the South Bldg.

Chiefs of Bureaus and Offices

Bureau of Agricultural Economics South Bldg. 2/
N. A. Olsen, Chief..... (Pavilions C & D)

Bureau of Agricultural Engineering
S. H. McCrory, Chief..... 1300 E St. NW.

Bureau of Animal Industry
J. R. Mohler, Chief..... 225 East Wing

Bureau of Biological Survey South Bldg. 3/
P. G. Redington, Chief..... (Pavilions C & D)

Bureau of Chemistry and Soils
H. G. Knight, Chief..... 102 East Wing

Bureau of Dairy Industry
O. E. Reed, Chief..... 24 East Wing

Bureau of Entomology
C. L. Marlatt, Chief... H-242 Temporary Bldg. C

Office of Experiment Stations South Bldg. 4/
J. T. Jardine, Chief..... (Pavilions C & D)

Extension Service South Bldg. 5/
C. B. Smith, Assistant
Director of Extension Work.... (Pavilions C & D)

2/ Until about June, 1932, 1358 B St. SW.

3/ Until about June, 1932, 1358 B St. SW.

4/ Until about June, 1932, 220 14th St. SW.

5/ Until about June, 1932, 220 14th St. SW.

Chiefs of Bureaus and Offices**Food and Drug Administration**

P. B. Dunbar, Assistant Chief.. 216 13th St. SW.

Forest Service

R. Y. Stuart, Chief..... 930 F St. NW.

Grain Futures Administration

J.W.T. Duvel, Chief..... 104 Admin. Bldg.

Bureau of Home Economics South Bldg.

Louise Stanley, Chief.. (6052, Pavilions C & D)

LibraryClaribel R. Barnett, South Bldg. 6/
Librarian..... (Pavilions C & D)**Bureau of Plant Industry**

W. A. Taylor, Chief..... 206 West Wing

Plant Quarantine and**Control Administration**

L. A. Strong, Chief..... 1729 New York Ave. NW.

Bureau of Public Roads

T. H. MacDonald, Chief..... 515 14th St. NW.

Weather Bureau

C. F. Marvin, Chief..... 24th and M Sts. NW.

6/ Until about August, 1932, 1358 B St. SW.

DIVISIONS OF BUREAUS AND OFFICES 7/

AGRICULTURAL ECONOMICS (South Bldg. Pavilions C and D, E on map) 8/
Agricultural Finance; Cold Storage Statistics; Collection and
Distribution of Excess Wool Profits; Cotton Marketing; Crop
and Livestock Estimates; Dairy and Poultry Products; Economic
Information; Economic Library; Farm Management and Costs;
Farm Population and Rural Life; Foreign Service; Fruits and
Vegetables; Grain; Hay, Feed, and Seed; Land Economics; Live-
stock, Meats, and Wool; Statistical and Historical Research;
Tobacco; Transportation Service; Warehousing.

AGRICULTURAL ENGINEERING (1300 E St. NW.)

Drainage and Soil Erosion Control; Editorial and Information;
Irrigation; Mechanical Equipment; Plans and Service; Struc-
tures.

ANIMAL INDUSTRY (East Wing, B on map)

Animal Husbandry; Biochemic; Field Inspection; Hog-Cholera
Control; Meat Inspection; Pathological; Packers and Stock-
yards; Tick Eradication; Tuberculosis Eradication; Virus-
Serum Control; Zoological.

BIOLOGICAL SURVEY (South Bldg. Pavilions C and D, E on map) 9/
Biological Investigations; Food-Habits Research; Fur Resour-
ces; Game and Bird Conservation; Land Acquisition; Predatory-
Animal and Rodent Control.

CHEMISTRY AND SOILS (East Wing, B on map)

Chemical and Technological Research; Fertilizer and Fixed
Nitrogen Investigations; Soil Investigations.

7/ The work of a division is sometimes carried on in more
than one building, but visitors can obtain the details of any
particular kind of work in the main office.

8/ Until about June, 1932, 1358 B St. SW.

9/ Until about June, 1932, 1358 B St. SW.

Divisions of Bureaus and Offices

DAIRY INDUSTRY (East Wing, B on map)

Dairy-Cattle Breeding, Feeding, and Management; Dairy-Herd-Improvement Investigations; Dairy Manufacturing Investigations and Introduction; Dairy Research Laboratories; Market-Milk Investigations.

ENTOMOLOGY (Temporary Bldg. C, 7th and B Sts. SW.)

Bee Culture; Cereal and Forage Insects; Cotton Insects; Forest Insects; Fruit and Shade-Tree Insects; Insect Morphology; Insect Pathology; Insect Pest Survey; Insects Affecting Man and Animals; Insect Toxicology and Physiology; Stored-Product Insects; Taxonomy of Insects; Truck-Crop and Garden Insects.

EXPERIMENT STATIONS (South Bldg. Pavilions C and D, E on map) 10/
Experiment Station Record; Insular Experiment Stations;
Library.EXTENSION SERVICE (South Bldg. Pavilions C and D, E on map) 11/
Cooperative Extension Work; Exhibits; Motion Pictures.

FOOD AND DRUG ADMINISTRATION (216 13th St. SW., F on map)

Color Certification; Cooperation; Drug Control; Field Inspection; Food Control; Import Supervision; Insecticide Control; Interstate Supervision; Microanalytical; Naval Stores.

FOREST SERVICE (930 F St. NW.)

Engineering; Forest Management; Lands; Operation; Public Relations; Range Management; Research.

GRAIN FUTURES ADMINISTRATION (Administration Bldg., A on map)

10/ Until about June, 1932, 220 14th St. SW.

11/ Until about June, 1932, 220 14th St. SW.

Divisions of Bureaus and Offices

HOME ECONOMICS (South Bldg. Pavilions C and D, E on map)
Economics; Foods and Nutrition; Textiles and Clothing.

INFORMATION (Administration Bldg., A on map)
Press Service; Publications; Radio Service.

LIBRARY (South Bldg. Pavilions C and D, E on map) 12/

PERSONNEL AND BUSINESS ADMINISTRATION (Admin. Bldg., A on map)

PLANT INDUSTRY (West Wing, K on map)

Barberry Eradication; Blister Rust Control; Botany; Cereal Crops and Diseases; Citrus Canker Eradication; Cotton, Rubber, and Other Tropical Plants; Drug and Related Plants; Dry Land Agriculture; Egyptian Cotton Breeding; Fiber Plant Investigations; Forage Crops and Diseases; Forest Pathology; Foreign Plant Introduction; Genetics and Biophysics; Horticultural Crops and Diseases; Mycology and Disease Survey; Nematology; Phony Peach Eradication; Seed Investigations; Sugar Plant Investigations; Tobacco and Plant Nutrition; Western Irrigation Agriculture.

PLANT QUARANTINE AND CONTROL ADMINISTRATION (1729 New York Ave.)
Date Palm Scale Eradication; Domestic Plant Quarantines; European Corn Borer and Japanese Beetle; Foreign Plant Quarantines; Fruit Fly Investigations; Mexican Fruit Fly; Moths; Pink Boll-worm and Thurberia Weevil; Technological.

PUBLIC ROADS (515 14th St. NW.)

Bridges; Construction; Control; Design; Field Organization for Highway Work; Highway Transportation and Economics; Tests.

SOLICITOR (Administration Bldg., A on map)

Divisions of Bureaus and Offices

WEATHER BUREAU (24th and M Sts. NW.)

Aerological; Agricultural Meteorology; Climatological; Forecast; Fruit Frost Service; Instrument; Marine Meteorological Physics; River and Flood; Solar Radiation.

VISITORS ARE WELCOME

The Department Is Open to Tourists As Well
As to Those Who Have Definite Problems . . .

Visitors are welcome at the United States Department of Agriculture. Members of its staff are glad to give information and when possible to show the work being done.

This booklet is intended primarily for visitors who want to see things of general interest. Some have special questions to ask or problems to discuss. Inquiry at the office of the chief of the bureau or office concerned will bring the inquirer to the division dealing with the subject.

If you do not see what you are looking for in this pamphlet, ask at the nearest Department of Agriculture Building.

The Department of Agriculture is the administrative agency charged with the duty of fostering agriculture and certain related activities and industries in the United States. Its work covers every phase of agricultural interest and endeavor. It was established as a department in 1889, at which time the entire personnel was housed in one small building. There are representatives in all sections of the United States and its possessions and in many foreign countries.

In addition to the buildings in and around the original reservation, several important bureaus

The Grounds

are located elsewhere in the city. The Weather Bureau is at Twenty-Fourth and M Streets NW., the Forest Service at 930 F Street NW., the Bureau of Public Roads at 515 Fourteenth Street NW., and the Bureau of Agricultural Engineering at 1300 E Street NW. The Arlington, Virginia, and the Beltsville, Maryland, experiment farms are the largest outlying stations in the immediate vicinity of Washington. Other stations are the Animal Industry Experiment Station at Bethesda, Maryland, and the Bee Culture Laboratory at Somerset, Maryland.

THE GROUNDS

The grounds of the Department of Agriculture include about 40 acres, constituting the part of The Mall (a park-like area extending from the Capitol grounds to the Washington Monument grounds between B Street Southwest and Constitution Avenue) that is under the control of the Secretary of Agriculture. They were laid out and planted soon after the close of the Civil War by the late William Saunders, who for many years was horticulturist of the Department. Mr. Saunders introduced the famous Washington navel orange and numerous other rare and valuable plants. Early in the history of the Department Mr. Saunders began to introduce hardy shrubs and trees from foreign countries and to plant these in groups on the Department grounds. He also brought together and planted on the grounds many rare native species of trees and shrubs.

The grounds as laid out by Mr. Saunders, including the famous avenue of Ginkgo trees, are

The Greenhouses

undergoing a complete change in connection with the rearrangement of plantings on The Mall. The Bureau of Plant Industry supervises the grounds.

THE GREENHOUSES

The west greenhouses are for investigational work by the Bureau of Plant Industry. The east greenhouses are for the pathological investigations of the bureau; most of these are closed to the public because of the danger of spreading plant disease.

The west greenhouses are numbered from 1 to 21. No. 21 contains a collection of many varieties of table grapes, from the so-called raisin grapes to the best table varieties. It is most interesting in early summer when the vines are in fruit.

The famous Washington navel orange tree is in greenhouse No. 18, which also contains a collection of commercial varieties of citrus fruits. The navel orange tree is one of the two oldest known survivors of the trees budded directly from the Department importations from Bahia, Brazil, in 1870. From that importation have descended practically all the trees of this variety now growing in this country, the crop of which in California alone is worth about \$30,000,000 a year.

The rose house, No. 10, contains a collection of standard and seedling hybrid tea roses. Nos. 13 and 14 contain standard and seedling car-

Administration Building

nations. The Department cactus collection, in greenhouse No. 7, consists of several hundred species and has formed the basis for many studies of this family. The annual chrysanthemum and amaryllis shows are held in greenhouse No. 9. Greenhouse No. 6 contains a brilliant collection of tropical foliage plants. Sometimes a Holy Ghost flower can be seen there in bloom. Greenhouse No. 1 is used for the study of blueberries and other acid-soil plants. The pelican flower, which is of tropical origin and usually blooms in March or April, is in greenhouse No. 6.

Experimental work with plant cancer is conducted in east greenhouse No. 2. East greenhouse No. 6 is the plant-quarantine house. Here seeds and plants brought from all parts of the world are detained under quarantine to prevent the introduction of dangerous insects and diseases. Importations are examined and studied here by specialists. Visitors are not admitted to these greenhouses except by special permit.

ADMINISTRATION BUILDING

In this building (A on map) are the offices of the Secretary, Assistant Secretary, Directors, Solicitor, Grain Futures Administration, and the Divisions of the Office of Personnel and Business Administration and the Office of the Solicitor. The Press Service, Radio Service, and Division of Publications, which are part of the Office of Information, are here. In the central court on the first floor is a memorial to the men and women of the Department who died in the World War.

Administration Building

Farmers Seed Loan Office.--This office (109) places and collects Federal seed loans made under authority from Congress to farmers in flooded and drought-stricken areas of the United States.

Grain Futures Administration.--This administration (104) handles the work incident to the enforcement of the grain futures act of 1922, under which supervision of trading in grain futures is controlled at the various exchanges throughout the United States that have been designated contract markets.

Press Service.--The Press Service (312) prepares articles on the work of the Department and distributes them to the press. It serves newspapers, farm papers, trade journals, magazines, and farm organizations' publications throughout the country, and assists writers and editors on request by getting together material for use in the preparation of articles. In addition to mimeographed news stories issued daily, the Press Service gets out a printed weekly clip sheet which goes to a large list of newspapers, farm papers, and other publications, and it also supplies many photographs of Department activities. Special assistance is given to, syndicates and correspondents.

The Press Room (314), equipped with desks, typewriters, and telephones, gives reporters a convenient place to prepare their material on the activities of the Department. Releases for their use are posted here each day.

Division of Publications.--This division (538) edits and distributes bulletins, circulars,

West Wing

and leaflets, including the Farmers' Bulletins. Persons may obtain publications in Room 518.

Radio Service.--The Radio Service (536) reaches the public with information of the Department's work through 213 broadcasting stations throughout the country. Several popular features have been developed which are used regularly by these stations. Among these are Department periods in the National Farm and Home Hour and the Western Farm and Home Hour, the daily "Housekeeper's Chat" and "Farm Flashes," and "Guarding Your Food and Drug Supply." The Radio Service emphasizes practical, seasonable information on crops and livestock, and recently has been giving particular attention to talks on agricultural economics.

WEST WING

Bureau of Plant Industry.--The headquarters and several branches of this bureau are in the West Wing (K on map). Persons may get information on the bureau at the office of the chief (W-206).

The Bureau of Plant Industry studies problems relating to plants and plant industries, including the improvement of plants by breeding and selection; the determination of causes of destructive plant diseases; the development of methods of handling, transporting, and storing such perishable crops as fruits and vegetables; and the introduction of new crops from foreign countries.

Four plant-disease campaigns are carried on in cooperation with the States; One in the South-

East Wing

ern and Gulf States for the control and eradication of citrus canker; a second in the thirteen leading wheat-growing States of the Mississippi Valley and Great Lakes regions for the control of the destructive black stem rust of wheat and other cereals; a third in the Northeastern and Great Lakes States and Pacific Northwest for the protection from blister rust of the valuable white and sugar pine forests; and a fourth in Georgia, Alabama, and other southern peach-growing States for the control and eradication of the phony disease of peach trees.

The bureau administers the Federal seed act, under which foreign-grown forage-crop seeds of low vitality, or containing seeds of noxious weeds, are prohibited from the United States.

Bureau of Chemistry and Soils.--The laboratories of the Division of Soil Microbiology study the microorganisms of the soil.

EAST WING

Bureau of Animal Industry.--This bureau has numerous inspection duties, such as Federal meat inspection, eradication and prevention of animal diseases, supervision of packers and public stockyards, inspection of viruses and serums. It also engages in research and many special investigations. For information regarding the work of the bureau, inquire at the office of the chief (E-225) in the East Wing (B on map).

On the second floor are the headquarters staff, two of the main divisions of the bureau,

East Wing

and the principal meat-inspection laboratories. The Zoological Division is concerned with work on internal and external parasites of animals. The Division of Hog-Cholera Control deals with the control and prevention of hog cholera and related diseases. In the principal laboratory of the meat-inspection work of the United States, ingredients and samples of materials used in meat packing are tested and water examinations are made. (The administrative headquarters of the meat-inspection work is in Temporary Building F, Seventh Street and Constitution Avenue.)

On the third floor is the Pathological Division, which deals mainly with animal diseases, especially those caused by bacteria. It also investigates livestock poisoning from plants and examines viruses, serums, and other remedies used in treating or preventing animal diseases.

The headquarters of the Biochemic Division is on the third floor. This division does research on animal dips and disinfectants and investigates the vitamin content of certain food products. It manufactures millions of doses of tuberculin each year for use in the official testing of cattle for tuberculosis.

Bureau of Chemistry and Soils.--Part of the work of the Soil Investigations Unit of this bureau is carried on in the East Wing, and the laboratories of soil chemistry and physics are here. In this wing are also the offices of the chief of the bureau (E-102) and of the Division of Soil Fertility.

East Wing

Bureau of Dairy Industry.--This bureau (basement and fourth floor) carries on investigations on milk and milk products, dairy-cattle breeding, market-milk studies, dairy-herd-improvement, and the introduction of new dairy practices. Information regarding the bureau may be obtained from the office of the chief (E-24).

The laboratories for chemical and bacteriological work on milk and milk products are on the fourth floor. Equipment is available for the small-scale manufacture of ice cream, cheese, condensed and evaporated milk, and milk powder. Swiss cheese is made daily, and there are specially constructed curing rooms in which cheese is ripened at various temperatures and humidities. An experimental bakery helps to develop methods for the utilization of dairy products in baking.

The offices for investigations on dairy-cattle breeding, herd improvement, market milk, and the introduction of new dairy practices are in the basement. In the dairy-cattle breeding investigations the work is largely statistical. Photographic records of the various herds in the breeding work may be seen. Market-milk investigations include studies of problems in dairy sanitation, milk-plant management, market milk and cream, and other factors in the production and preparation of market milk and cream. Although the offices of the men so engaged are in Washington, much of the work is done in the field.

In connection with the dairy-herd-improvement investigations the latest improved electric

216 Thirteenth Street Southwest

tabulating machinery is used in analyzing the annual records of approximately 400,000 cows in dairy-herd-improvement associations in 45 States. The work includes the study of problems relating to economical milk and butterfat production. The records furnish information for "proving" sires by comparing the yearly production of the daughters of each sire with that of their dams.

The Division of Dairy Manufacturing Investigations and Introduction keeps in close touch with the manufacturers of milk products, especially those interested in the application of new and improved methods and processes to commercial practice. This division also studies problems relating to the manufacture of milk by-products as well as those relating to the factories' main products, butter and cheese.

216 THIRTEENTH STREET SOUTHWEST

Food and Drug Administration.--The main offices and laboratories of this administration are in this building (F on map). The administration enforces the food and drugs act, insecticide act, tea act, naval stores act, import milk act, and caustic poison act, and investigates problems arising in connection with the enforcement of these acts. For information and publications, inquire at the left of the entrance.

Bureau of Chemistry and Soils.--In the same building is the Chemical and Technological Research Unit of this bureau. This unit investigates problems of agricultural chemistry and works out methods for the utilization of agricultural

220 Thirteenth Street Southwest

products. Publications of the bureau may be obtained through the clerk at the information desk.

The leather and paper laboratory occupies most of the first floor. Devices for making tests of leather, tanning materials, and paper fabrics can be seen, as well as equipment for investigating scouring waste. The first constant humidity room in the country is here. It is used in connection with physical tests of the materials.

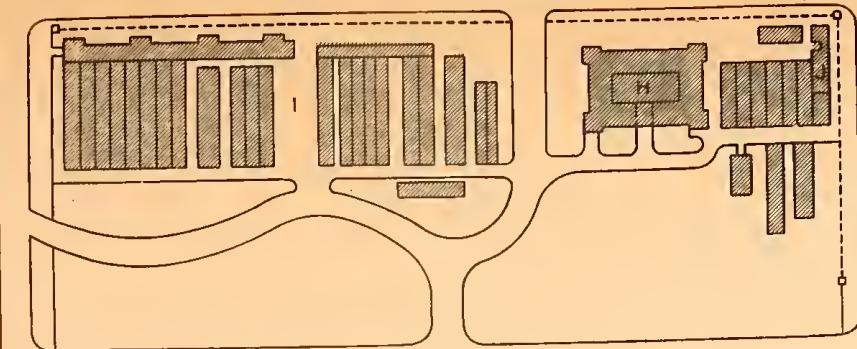
Modern baking apparatus, such as a dough mixer, fermentation cabinet, machine for testing the volume of a loaf, egg beater, and similar equipment, may be seen in the baking laboratory. In the protein laboratory, 200 or 300 hundred albino rats are used for experiments which test the nutritive value of proteins, seeds, grains, and other feedstuffs.

The purity of chemicals and the acceptability of chemical apparatus are certified to in the analytical reagents laboratory. The sirup work of the bureau is done in the carbohydrate laboratory. In the polariscope room sugar solutions are tested to show their purity and sugar content.

220 THIRTEENTH STREET SOUTHWEST

Food and Drug Administration.--In this building (F on map) this administration has laboratories for work on insecticides, fungicides, and caustic poison control, and a cattle feed laboratory. There is also a specially constructed chamber of 1,000 cubic feet capacity for testing the effectiveness of fumigants as disinfectants.

CONSTITUTION AVENUE



NOT SHOWN ON MAP

WEATHER BUREAU,
24TH AND M STREETS, N.W.

FOREST SERVICE,
930 F STREET, N.W.

BUREAU OF PUBLIC ROADS,
515 14TH STREET, N.W.

BUREAU OF AGRICULTURAL ENGINEERING,
1300 E STREET, N.W.

BUILDING "F",
7TH STREET AND CONSTITUTION AVE.

BUILDING "C",
7TH AND B STREETS, SW.

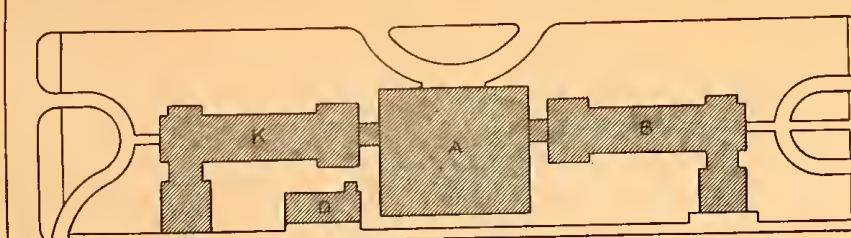
FIXED NITROGEN LABORATORY,
AMERICAN UNIVERSITY

14TH. STREET

12TH. STREET

EXPLANATION

- A ADMINISTRATION BLDG.
- B EAST WING
- K WEST WING
- D POWER PLANT
- E SOUTH BLDG.
- F FOOD AND DRUG ADMINISTRATION
- CHEMISTRY AND SOILS
- G STANDARDIZATION BLDG.,
300 LINWORTH PLACE
- H MECHANICAL SHOPS
- I GREENHOUSES
- J PLANT-QUARANTINE HOUSE



14TH. STREET SW.

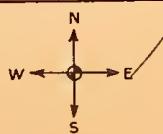
LINWORTH PLACE

13TH. STREET SW.

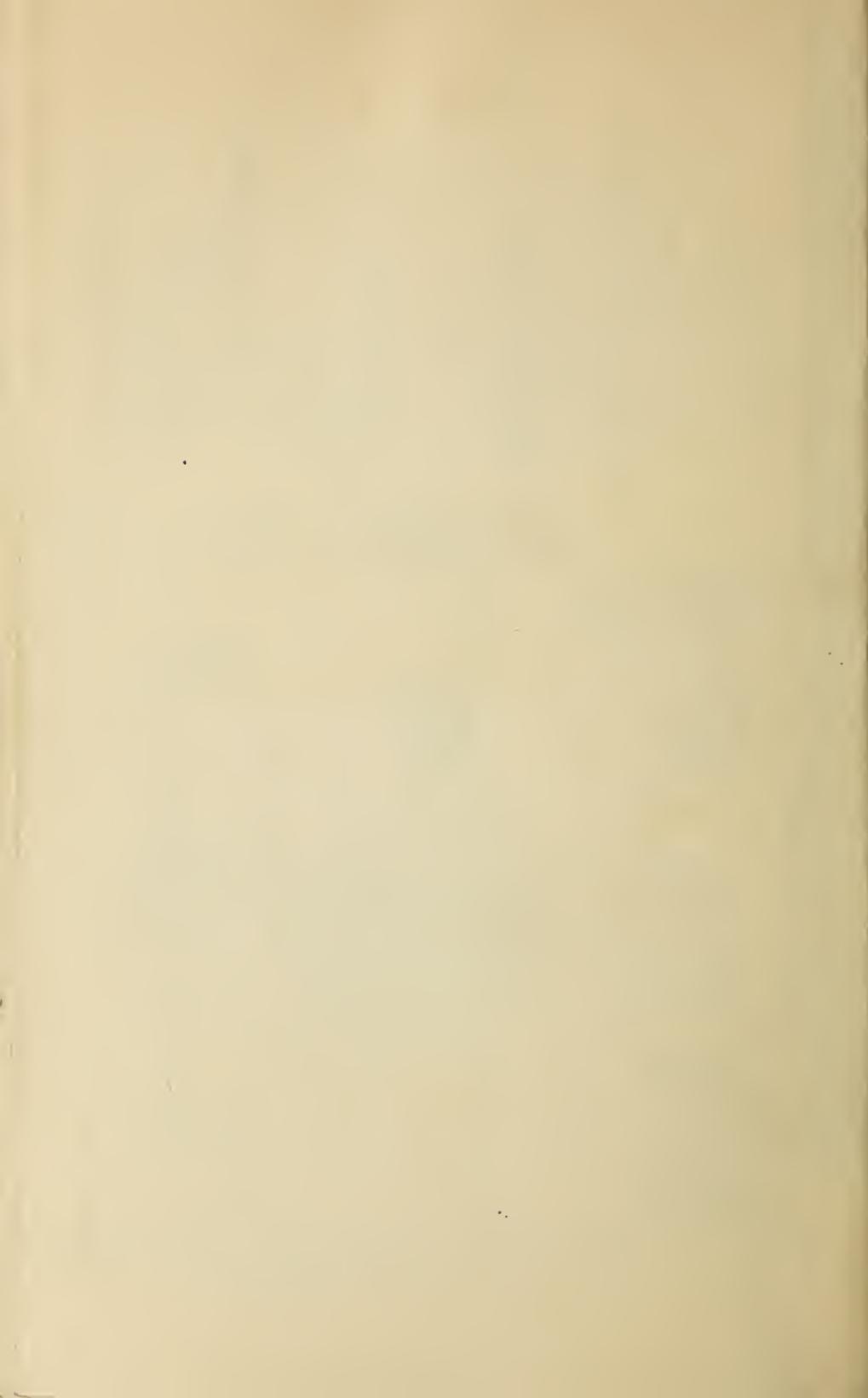
12TH. STREET SW.



C STREET SW.



DEPARTMENT OF AGRICULTURE



215 EIGHTH STREET SOUTHWEST

Bureau of Agricultural Economics.--At this address is the Tobacco Section, which studies the cost of production and the marketing of tobacco.

SIXTH AND B STREETS SOUTHWEST 13/

Extension Service.--The Office of Motion Pictures produces educational motion pictures on agriculture and kindred subjects for all bureaus of the Department and circulates prints throughout the United States and, by sale, to all countries of the world.

Visitors to the Office of Motion Pictures will see a small but complete producing unit, two small studios in which outdoor scenes are made and sound is recorded, and a laboratory for developing and printing film, making titles, animations, and time-lapse studies, and recording voice, music, and sound effects. There are fire-proof vaults for storing negatives and prints, a central film booking exchange, shipping and inspection rooms, and a projection room for previewing and for showing completed pictures to special groups.

804 B STREET SOUTHWEST

Bureau of Plant Industry.--The Division of Barberry Eradication conducts a campaign to eradicate the common barberry, which spreads the stem-rust disease of wheat.

13/ Until about May, 1932, 1363 C St. SW.

814 B STREET SOUTHWEST

Bureau of Entomology.--The Division of Insects Affecting Man and Animals is at this address.

210 ELEVENTH STREET SOUTHWEST

?
Bureau of Entomology.--Here are the Division of Cotton Insects and a laboratory for the study of the relation between insects and diseases.

TEMPORARY BUILDING F
SEVENTH STREET AND CONSTITUTION AVENUE

Bureau of Animal Industry.--The Animal Husbandry Division conducts work in genetics, nutrition, beef cattle, sheep, goats, horses and mules, swine, and poultry. Livestock quarantine and transportation laws, and laws regulating the importation and exportation of livestock and animal by-products, are enforced by the Field Inspection Division. The Meat Inspection Division conducts the Federal meat inspection in more than 800 meatpacking and slaughtering establishments. The task of eradicating bovine tuberculosis is in the hands of the Tuberculosis Eradication Division. The Division of Virus-Serum Control administers the "virus-serum-toxin act of 1913, which requires supervision over the manufacture of serums and other veterinary biologic products intended for sale in interstate commerce.

Bureau of Entomology.--Two divisions of this bureau are in Temporary Building F. The Division of Stored-Product Insects studies means of protecting products from insect damage and conducts experiments on methods of fumigation. The Insect

Temporary Building F

Pest Survey keeps records on the distribution, abundance, and relative economic importance of American insects.

Bureau of Biological Survey.--The headquarters of the Eastern Rodent-Control Region is concerned with the control of predatory animals and injurious rodents in the Eastern States. The Division of Fur Resources studies the production, conservation, and utilization of fur animals. The Food Habits Research Division studies the food habits of birds and mammals.

Bureau of Chemistry and Soils.--The Chemical Engineering Division investigates dust explosions in grain elevators, starch factories, sugar refineries, flour mills, and other industrial plants, and in threshing machines, and devises methods of preventing such explosions. It also studies methods of prevention and control of fires in cotton gins and on farms. The Soil Survey maps the soils of the United States. This work is done in cooperation with the States. There are on file maps and reports covering the areas surveyed, samples of soils, and charts.

Bureau of Plant Industry.--The Division of Fiber Plants investigates all the commercial fibers except cotton. The Division of Blister Rust Control studies various phases of control work. The Division of Foreign Plant Introduction seeks profitable new plants for this country and insures their introduction. The Division of Forage Crops and Diseases, along with its work on forage crops,

Temporary Building C

cooperates with the United States Golf Association in studying grasses and methods of maintaining fine turf.

Extension Service.--The Office of Exhibits has charge of the preparation and handling of the Department's exhibition material for fairs and expositions. The actual work of preparation is done here. Exhibits not in use are stored in a warehouse in Alexandria, Virginia. Visitors are welcome at the warehouse, but it is well to telephone in advance.

Bureau of Agricultural Economics.--The warehouse Division is in Temporary Building F.

TEMPORARY BUILDING C
SEVENTH AND B STREETS SOUTHWEST

Bureau of Entomology.--This bureau studies insects in their economic relations, including harmful insects, which injure crops and crop products and industries, affect the health of man and animals, or infest houses; also beneficial insects, which produce useful products or act as a check on injurious forms. Much of the bureau's work is in field laboratories, often in cooperation with State institutions. In Temporary Building C are the office of the chief (H-242), the information office (3-241), the library, and most of the divisions.

(Work on ornamental plant insects is done at one of the greenhouses. The field laboratory and

Temporary Building C

the apiary for the work in bee culture are at Somerset, Maryland. The insect physiology and toxicology laboratory at Takoma Park, Maryland, studies insect physiology and insecticides. This laboratory may be reached by electric cars marked "Georgia and Alaska Avenues" or by the Sligo bus. Get off at the District of Columbia line and follow Blair Road to the east a short distance. The Silver Spring, Maryland, laboratory, where stored-product and household insects are studied, is a few blocks farther north. The bus passes the road leading to the laboratory.)

(The technical staff of the bureau engaged in the classification and identification of the various groups of insects is in the new National Museum, Tenth Street and Constitution Avenue NW.)

Bureau of Animal Industry.--On the second floor of Temporary Building C is the office of the Packers and Stockyards Division, which supervises public stockyards and packers' operations under the packers and stockyards act of 1921 providing for orderly marketing of livestock.

Bureau of Plant Industry.--The Division of Cereal Crops and Diseases studies the culture, adaptation, improvement, and diseases of cereal crops, the cultivation of flax for seed purposes, and the production and improvement of broom corn.

Bureau of Agricultural Economics.--In this building are the Division of Farm Management and Costs and the Division of Land Economics.

SOUTH BUILDING
(PAVILIONS C AND D)

Library^{14/}.--The Library (first floor and basement) contains approximately 225,000 volumes on agriculture and the natural sciences, as well as forestry, economics, sociology, and engineering. It also has a good collection of the standard reference books. The periodicals currently received number 4,000, including not only those of interest published in this country but also the principal ones of foreign countries on agricultural, scientific, and technical subjects. A dictionary catalogue is kept on cards which number about three-quarters of a million.

There are branch libraries in the bureaus and offices of the Department, which are special collections on the subjects dealt with by the respective bureaus and offices. About one-third of the books belonging to the Department Library are filed in the branch libraries. The main Library and the branch libraries issue current lists of accessions and bibliographies connected with the work of the Department.

Bureau of Agricultural Economics^{15/}.--This bureau studies the cost of production and marketing, farm organization, farm financial relations, farm labor, agricultural history and geography, land economics, and problems of rural life. The bureau also investigates problems pertaining to the marketing and distribution of farm products. It

14/ Until about August, 1932, 1358 B St. SW

15/ Until about June, 1932, 1358 B St. SW.

South Building
(Pavilions C and D)

conducts a market news service and a food products inspection service, collects crop statistics, gathers and collects general agricultural statistics, and issues crop reports and forecasts. It enforces the United States cotton futures, grain standards, standard container, and produce agency acts, and administers the United States warehouse act.

The office of the chief is Room _____. In the Division of Economic Information () publications of the bureau are available. The Graphic Section prepares statistical maps, charts, and other graphic devices. The Division of Fruits and vegetables deals with market news and standards for these products. Room _____, where the crop reports are released, is equipped with telephones and telegraph connected with important markets throughout the country, so that reports can be flashed to all markets simultaneously. The Market News Service connects 50 market stations in the larger cities of the country. The Agricultural Economics Library is in Room _____.
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Bureau of Biological Survey 16/. --This bureau () is engaged in research, conservation and control, and enforcement of laws that relate to vertebrate wild animals (except fishes) in the interests of agriculture, horticulture, stock-raising, forestry, recreation, and conservation, including the natural requirements of wild life it-

16/ Until about June, 1932, 1358 B St. SW.

South Building
(Pavilions C and D)

self. Its activities embrace field investigations and laboratory studies, including biological surveys of areas, studies of the distribution, migration, classification, natural history, food habits, and food resources of birds and animals, and investigations of their diseases and parasites; experiments in the production of fur-bearing animals in captivity, including rabbits for food and fur; studies of the propagation of game birds; investigations for the improvement of the reindeer industry in Alaska; and methods for controlling predatory animals, rodents, injurious birds, and other destructive pests.

The bureau maintains 93 wild-life reservations for the conservation of game and other animals and birds. It administers Federal laws for the conservation of migratory birds, protection of animals and property on wild-life reservations, and prevention of illegal interstate shipments of bodies of wild animals and of entry of injurious foreign species; and, through the Alaska Game Commission, the Alaska game law protecting game mammals, birds, and fur bearers in Alaska.

For information, inquire at the Office of Administration (). Material in the different offices that relates to wild life is chiefly for technical study, but will be shown on request.

Bureau of Plant Industry.--The Division of Horticultural Crops and Diseases^{17/} investigates the

^{17/} Until about June, 1932, 220 14th and 908 B Sts. SW.

South Building
(Pavilions C and D)

breeding, culture, methods of utilization, and diseases of fruits, vegetables, nuts, and ornamentals, and the transportation and storage of these crops. It also studies problems of the growing of nursery stock.

Extension Service.--The Office of Cooperative Extension Work^{18/} () cooperates with the extension divisions of the State agricultural colleges in their plans and expenditures for extension work in agriculture and home economics under the Smith-Lever act, coordinates the extension work of the bureaus of the Department with similar work carried on by the agricultural colleges, and gives practical demonstrations and instruction in agriculture, home economics, and rural life, under the supervision of farm men and women and through boys' and girls' 4-H clubs.

The office maintains a reference file of approximately 25,000 photographs relating to agriculture and home economics, and cooperates with other bureaus in the production of lantern slides, film strips, and charts for extension workers.

Office of Experiment Stations^{19/}.--This office () exercises the advisory and supervisory functions provided for in the Federal acts making appropriations for the State experiment stations, collects and disseminates information regarding the organization and work of such institutions,

18/ Until about June, 1932, 220 14th St. SW.

19/ Until about June, 1932, 220 14th St. SW.

South Building
(Pavilions C and D)

and publishes in the Experiment Station Record technical reviews of scientific literature relating to agriculture. Through its Division of Insular Experiment Stations, it administers the work of stations maintained by the Department in Alaska, Hawaii, Porto Rico, Guam, and the Virgin Islands.

In the Library of the Office of Experiment Stations () are files of the publications issued by the agricultural experiment stations and the State extension services.

Bureau of Plant Industry.--The Division of Forest Pathology^{20/} investigates the economically important diseases of forest and shade trees, such as white-pine blister rust, chestnut blight, heart rot of Douglas fir, and blue stain deterioration of timber.

Bureau of Home Economics.--This bureau (6052) conducts research on foods and nutrition, textiles and clothing, and economic problems connected with the home. Homemakers, as well as home-economics teachers and professional workers, can see the laboratories and get publications of the bureau. Of particular interest are the nutrition laboratory, where the vitamin content of foods is studied by means of albino rats and guinea pigs; the experiments on washing temperatures, starches, and other home laundry problems in the textile chemistry laboratory; work on children's clothing and

^{20/} Until about June, 1932, 221 Linworth Place.

Twenty-Fourth and M Streets Northwest

utilization of fabrics; and the exhibits of home sewing machines and electric washing machines.

Bureau of Animal Industry.--On the sixth floor^{21/} are the Editorial Office, the Personnel Office, and the Tick Eradication Division.

TWENTY-FOURTH AND M STREETS NORTHWEST

Weather Bureau.--The Weather Bureau can be reached by taking a Pennsylvania Avenue car marked either "Georgetown" or "Rosslyn" to Twenty-Fourth Street and walking a block north. Visitors should go to the office of the chief clerk (17) in the main building.

This bureau conducts meteorological and climatological investigations, issues weather maps and river and flood warnings, and handles all work relating to the weather.

The Washington office of the bureau is the central office for the weather service of the entire country. Supervision of all the field activities connected with forecasting, river and flood work, airways, climatology, aerology, marine meteorology, solar radiation, and printing is centralized in Washington. In the shops and laboratories instruments used in making weather and river observations at the more than 200 branches in the country are repaired and tested. Publication of all weather data is supervised from this

^{21/} Until about June, 1932, 203 Linworth Place.

930 F Street Northwest

office. In the observatory on the third floor are instruments used in recording the direction and velocity of the wind, air pressure, rainfall, and sunshine. Various instruments are installed on the roof. Every afternoon at three o'clock small balloons are liberated from the roof for observing the velocity and direction of the upper air currents.

In the forecast map room, on the first floor, the daily weather maps are prepared from information received from more than 200 offices throughout the country. The bureau possesses the best meteorological library in the world, consisting of 50,000 volumes. It maintains a printing plant for the prompt dissemination of its weather reports, forecasts, and other information.

930 F STREET NORTHWEST

Forest Service.--The main activities of the Forest Service are directed to the protection and administration of the national forests, the development and improvement of the forests as Federal property, cooperation with the States under the Clarke-McNary law in prevention and suppression of forest fires and distribution of tree planting stock to farmers, investigations in growing and utilizing timber and disseminating information on these subjects, and the increase and conservation of the national timber supply.

Information on all activities of the Forest Service may be obtained from the Branch of Public Relations. This office has publications issued by

515 Fourteenth Street Northwest

the Service, as well as information on posters, mimeographed educational material, exhibits, motion pictures, lantern slides, and photographs. The headquarters of one of the nine field regions, the Eastern Region, is in this building.

515 FOURTEENTH STREET NORTHWEST

Bureau of Public Roads.--This bureau is charged with the administration of Federal aid to the States in road construction. Visitors concerned with administrative matters should call at the office of the chief (507). Those seeking general information on the work of the bureau, publications, or educational material should call at the Division of Information (506).

In the basement and on the first floor are laboratories for testing nonbituminous road materials. The bureau keeps records on thousands of road projects and makes available cost data and reports on the status of Federal aid. From time to time statistics on road status and revenues, traffic censuses, and economic investigations are tabulated, summarized, and printed.

1300 E STREET NORTHWEST*cont'd*

Bureau of Agricultural Engineering.--This bureau deals with the engineering problems of the farm. Visitors should call at the office of the chief. The work is chiefly experimental research devoted to procuring fundamental engineering information, the application of which helps to improve farming practices. Nearly all the research

1729 New York Avenue Northwest

is done at field stations outside of Washington. The headquarters of the Division of Irrigation is at Berkeley, California; the heads of the other divisions are in Washington.

Bureau of Public Roads.--The offices of the district engineer having charge of Federal-aid road work in Ohio, Pennsylvania, Delaware, Maryland, Virginia, West Virginia, and North Carolina are on the fifth floor.

The laboratory for making tests and carrying on research on bituminous material for roads is at Arlington Farm. Arrangements may be made for visiting the laboratories and the main projects of the bureau, many of which are in progress at the farm, by calling at the office of the chief of the Division of Tests (811).

S. M. 1729 NEW YORK AVENUE NORTHWEST

Plant Quarantine and Control Administration. In this building are all the divisions of this administration, with the exception of the inspection service. Visitors interested in excluding foreign plant pests or in obtaining permits for the entry of plants and plant products should call at the office of the chief (303). Information regarding insects that are likely to get into this country, and insects that have come in and been intercepted, may be procured here.

At the inspection house, Twelfth Street and Constitution Avenue, may be seen the methods of inspection and treatment of plant material imported

American University Buildings

by the Department of Agriculture and by private individuals under permit, as well as of domestic plant material shipped out of the District of Columbia. The inspection service enforces the foreign plant quarantines, regulates the entrance into the United States of foreign plants and plant products, and keeps records of such entries.

Bureau of Soils AMERICAN UNIVERSITY BUILDINGS

Bureau of Chemistry and Soils.--The Fertilizer and Fixed Nitrogen Investigations Unit of this bureau studies the fixation and utilization of atmospheric nitrogen to determine the best, cheapest, and most suitable means for the production of nitrates and other nitrogen compounds for use as fertilizers and explosives, and for industrial purposes. It also carries on investigations of phosphates, potash, and other fertilizer materials.

This unit of the Bureau of Chemistry and Soils is housed in buildings of the American University at Massachusetts and Nebraska Avenues Northwest, Washington. It is reached by the Massachusetts Avenue coach line of the Washington Railway and Electric Company, operating from Dupont Circle from transfer from the street cars of the railway company. To go by automobile, follow Massachusetts Avenue, crossing Wisconsin Avenue, and continue to Nebraska Avenue, where a left turn brings you to the entrance.

Most of this work is highly technical but will be explained on request. It is well to telephone Cleveland 1800 before visiting these laboratories.

IN THE VICINITY OF WASHINGTON

ARLINGTON, VIRGINIA

Arlington Experiment Farm.--This farm is the largest experiment station maintained by the Department in the vicinity of Washington. It is reached most easily by automobile, crossing the highway bridge and following the military road for 2 1/2 miles. The farm is a tract of 400 acres, of which nearly 300 are used for experimental work by the Bureau of Plant Industry. The Bureaus of Chemistry and Soils, Entomology, and Public Roads also conduct experiments here.

The rose test garden is carried on in co-operation with the American Rose Society. It is at its best in May and June. The hardy chrysanthemum collection contains varieties selected for outdoor use in the North. A grass garden where bent and other fine turf grasses are studied is a feature of the farm, as is also the apple collection which includes more than 400 varieties. Many experiments on the growing of plants are carried on here.

The Bureau of Chemistry and Soils has a color laboratory at the farm, where colors used in foods and dyes are studied. Furfural, a chemical used in varnish, is made from corn cobs in the furfural laboratory. The bureau also investigates phosphates and concentrated fertilizer at the farm.

The Bureau of Public Roads has an outdoor laboratory at the farm for the study of road-building problems. Among the more important experiments are those to determine the effect of the

Beltsville, Maryland

impact of motor trucks on various kinds of pavement. Special machines and intricate instruments have been developed for measuring this force. There is a large circular track surfaced with sections of various bituminous mixtures which are tested by actual traffic. Tests using various methods for curing concrete pavements may be seen. More than forty concrete strips have been cured by different processes and have been exposed to the weather for several years. There is also a sub-grade soil laboratory and a concrete laboratory. Experiments on highway-bridge design are carried on here.

BELTSVILLE, MARYLAND

Animal Husbandry Experiment Farm and Dairy Industry Experiment Farm.--The Bureau of Animal Industry and Bureau of Dairy Industry have farms at Beltsville, Maryland, fourteen miles northeast of Washington. The farms can be reached by automobile by the Baltimore Pike, by trolley (within about a mile), or by the Baltimore and Ohio Railroad. For particulars, inquire at the office of the chief, Bureau of Animal Industry (Room 225, East Wing), at the Animal Husbandry Division (Wing 4, Room 219, Temporary Building F); or at the office of the chief, Bureau of Dairy Industry (Room 24, East Wing).

The Bureau of Animal Industry farm contains 1,000 acres. The work includes the maintenance of cattle, sheep, swine, goats, and poultry, which are used for experimental purposes. A nutrition building, a wool laboratory, a house devoted to

Bethesda, Maryland

guinea pigs for studying animal genetics, and poultry houses with incubators and other equipment are on the farm.

The farm maintained by the Bureau of Dairy Industry comprises 441 acres, where about 360 head of cattle are kept for investigations in breeding, feeding, and management. A special barn is equipped for nutrition work with dairy cattle.

BETHESDA, MARYLAND

Experiment Station.--A station for the study of animal diseases, a part of the Bureau of Animal Industry, is at Bethesda, Maryland, seven miles northwest of Washington. It can be reached by automobile over the Rockville Pike or by trolley over the Rockville or Alta Vista lines. There are about 50 acres. Experiments and investigations relating to tuberculosis, infectious abortion, and other diseases of animals are carried on here. For information, ask at the office of the chief of the bureau (Room 225, East Wing).

SOMERSET, MARYLAND

Bee Culture Laboratory.--The field laboratory and apiary for the beekeeping work of the Bureau of Entomology is at 423 Dorset Avenue, Somerset, Maryland, three blocks west of stop No. 4 of the Rockville or Alta Vista car lines. To go by automobile, follow Wisconsin Avenue to Somerset. The laboratory is on the north side of Dorset Avenue about a quarter of a mile west of the Somerset gateway.

EXHIBITS

General and special exhibits--occasionally in central court of Administration Building 22/^{22/} During the George Washington Bicentennial (until Thanksgiving, 1932) visitors may see exhibits of the Department's work in the Central Court.

Wax replicas of authentic specimens of varieties of fruits and vegetables--West Wing, second-floor hall.

Barberry-eradication work--804 B Street SW.

Cotton--West Wing, first-floor hall.

Insects against which plant quarantines are established, and contraband material seized by plant-quarantine inspectors--1729 New York Avenue NW., second floor.

Panels showing results of dust explosions in grain elevators, starch factories, sugar refineries, flour mills, and threshing machines--Temporary Building F, Room H-124.

Specimens showing effects of various animal diseases--East Wing, third-floor hall.

Photographs and lantern slides of road construction--515 14th St. NW., fourth floor.

Photographs and exhibits of Forest Service activities--930 F St. NW., first and fifth floors.

22/ For locations of Administration Building and East Wing and West Wing, see map.

